CAN-OPCUA-FD

CAN FD to OPC UA Gateway for Industrial Communication

Simplified Access to CAN FD Data
- *CAN FD systems accessible via standard OPC UA clients*
- *Ready-to-use signal values through local decoding and scaling*
- *Reduced configuration effort through DBC file import*

Standalone Gateway Operation
- *No additional industrial PC needed for gateway operation*
- *Local processing of CAN FD payloads up to 64 bytes*
- *Space-saving installation with a compact DIN rail housing*

Reusable Configuration for Different CAN Networks
- *One gateway for monitoring CAN data, CANopen PDOs and J1939 PGNs*
- *Configuration with standard OPC UA clients*
- *Repeatable deployment through configuration export and import*



CAN Data for Higher-Level Applications
Simplified integration into visualization and data acquisition systems, enabled by local CAN CC/CAN FD processing and an integrated OPC UA server.

Reduced Signal Configuration Effort
DBC import or individual signal configuration provides named, typed OPC UA variables with local decoding, scaling and offset processing.

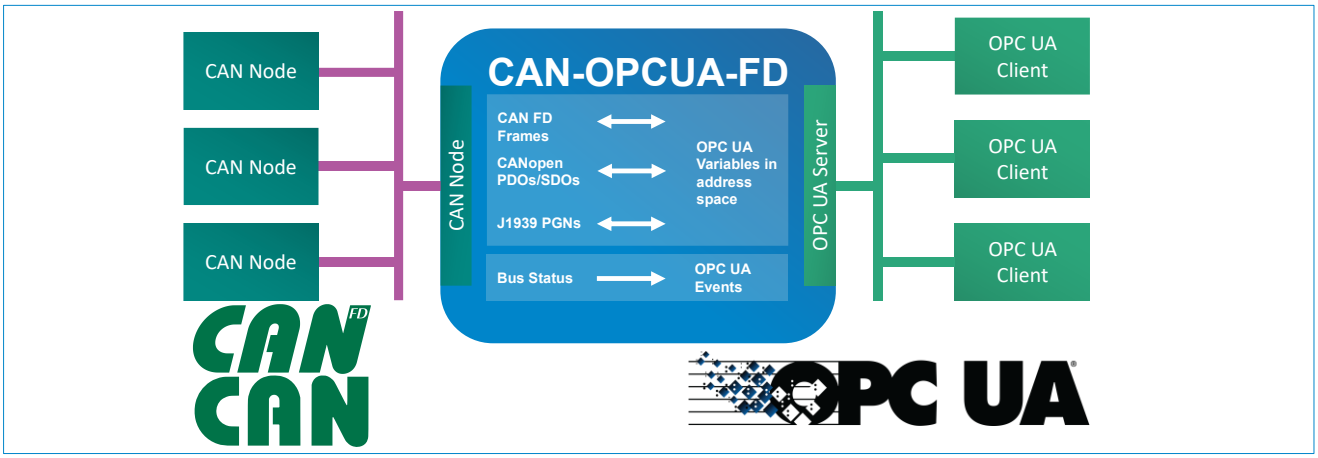
Access to CAN FD and CAN CC
CAN FD systems connect to OPC UA applications with payloads up to 64 bytes. CAN CC support includes CANopen PDOs and diagnostics, plus J1939 PGNs with multi-frame handling.

Configuration and Diagnostics with Standard Clients
Standard OPC UA clients simplify configuration, diagnostics and configuration reuse. Dedicated methods enable CAN transmission and coordinated SDO access for commissioning and service.

Controlled Access to Data and Functions
Configurable permissions restrict access. OPC UA signing, encryption and certificate management support protected communication when appropriately configured.

Related Product CAN-OPCUA
CAN CC applications are supported by the CAN-OPCUA. A separate datasheet is available.

This product is under development.
It will be available Q4 2026.
All data specified here are preliminary and may be subject to change!



Technical Specifications:

OPC UA:	
Stack	*open62541*
Compatibility	*According to Specification v1.04*
Protocols	*OPC UA TCP transport with UA Binary encoding*
Interfaces:	
CAN	*ISO 11898-1, up to 8 Mbit/s*
Ethernet	*2x Ethernet, 10/100 Mbit/s, RJ45*
General:	
Power supply voltage	*24 V ± 5%; I_{MAX} = 210 mA*
Ambient temperature	*0 °C ... +50 °C*
Dimensions	*22.5 mm x 99 mm x 114.5 mm*
Connectors	*CAN: 5-pin connector, 3.81 mm pitch* *Ethernet: 2x RJ45* *Power: 4-pin connector, 5.0 mm pitch*
Weight	*130 g*

Order Information:

Hardware		*Order No.*
CAN-OPCUA-FD	*CAN FD to OPC UA Gateway for DIN rail mount*	*C.2925.62*
Accessories		
CAN-Cable-S, 0.3 m	*CAN cable, length 0.3 m, 1x DSUB9 socket and 3 wire end sleeves, performance level 3, metallized plastic housing*	*C.1323.04*
Related Products		
CAN-OPCUA	*CAN to OPC UA Gateway for DIN rail mount*	*C.2925.02*

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File: CAN-OPCUA-FD_Datasheet_10.docx
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Rev.: 1.0 • Date: 2026-11-05
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